

# RFID Tag (Passive)

**ART923X855406TX02**

RoHS/RoHS II compliant



85.0 x 54.0 x 0.635mm

MSL level: Not Applicable

## FEATURES:

- RoHS Compliant
- SMD Type
- High Gain

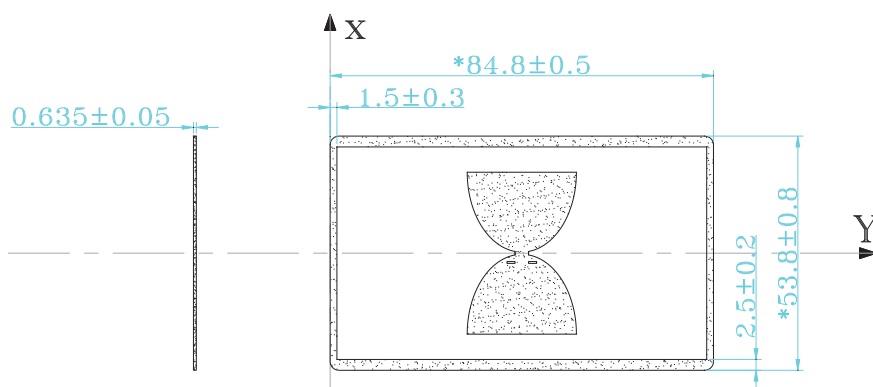
## TYPICAL APPLICATIONS:

RFID systems for Logistic & Inventory Management of Retail, Pharmaceutical, Automotive Industries; Industrial automation, Contactless smart cards.

## STANDARD SPECIFICATIONS:

| Parameters                        | Min. | Typ.            | Max. | Units | Note                               |
|-----------------------------------|------|-----------------|------|-------|------------------------------------|
| Range of Receiving Frequency      |      | 902-928         |      | MHz   |                                    |
| Frequency of Lowest Return Loss   |      | 915±1.5         |      | MHz   | (On TEST Plane)                    |
| Tag center frequency              |      | 915±5           |      | MHz   | (On Metal surface )                |
| GAIN                              | 3.0  |                 |      | dBi   | (On70x70 GND Plane)                |
| Polarization Model                |      | Linear          |      |       | (Right Hand Circular Polarization) |
| Impedance                         |      | ISO18000-6C/EPC |      | Ω     |                                    |
| Working Temperature               |      | -40~ +85        |      | °C    |                                    |
| Storage Temperature               |      | -40~ +110       |      | °C    |                                    |
| Frequency Temperature Coefficient |      | 0± 10           |      | ppm/° |                                    |
| Antenna Reading Range             | 6.0  |                 |      | m     |                                    |

## OUTLINE DIMENSION



Other Tolerance: ±0.1mm

Unit: mm

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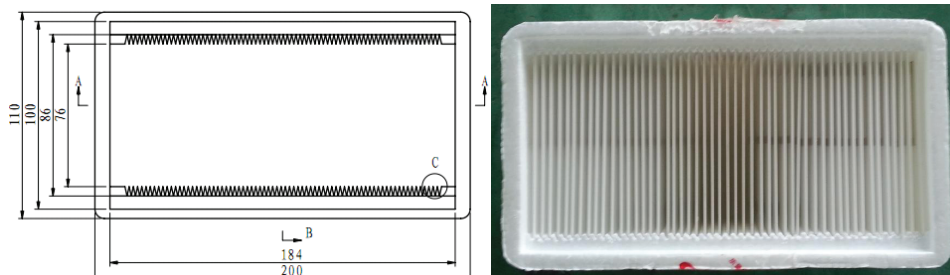
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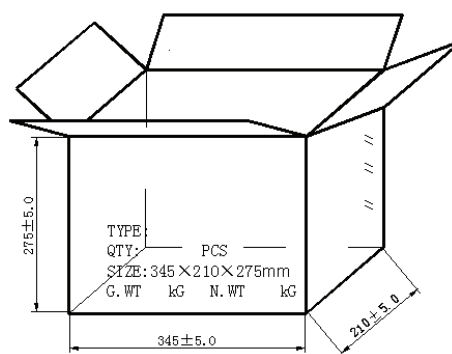
85.0 x 54.0 x 0.635mm

## PACKAGING

Each foam box contains 50pcs of Tag Antenna. There are 12 foam boxes per carton (outer box) with size 345\*210\*275mm



Tray



Outer Box

## CAUTION:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please insure the component is thoroughly evaluated in the application circuit.

## NOTE:

- 1) The parts are manufactured in accordance with this specification. If other conditions and specifications which are required for this specification, please contact ABRACON for more information.
- 2) ABRACON will supply the parts in accordance with this specification unless we receive a written request to modify prior to an order placement.
- 3) In no case shall ABRACON be liable for any product failure from in appropriate handling or operation of the item beyond the scope of this specification.
- 4) When changing your production process, please notify ABRACON immediately.
- 5) ABRACON Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. ABRACON's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from ABRACON Corporation is required. Please contact ABRACON Corporation for more information.
- 6) All specifications and Marking will be subject to change without notice.

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ABRACON IS  
ISO9001:2008  
CERTIFIED



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